



## ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE : July 15, 1983  
TO : File/USEPA Region V  
FROM : Kenneth Krueger  
SUBJECT: Preliminary Assessment  
Illinois/TDD#R5-8212-01A-119  
Belvidere/Boone County Landfill #2  
ILD000605113

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Illinois Environmental Protection Agency (NWD),  
Rockford, IL - 815/987-7404
- 2.
- 3.
- 4.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. Victor Galster - Landfill Operator, Route 76, Belvidere
2. Boone County, 527 North Main Street, Belvidere, IL 61008
3. Mr. James E. Gang - Boone County Highway Superintendent,  
9759 Route 76, Belvidere, IL 61008
- 4.
- 5.
- 6.

EPA Region 5 Records Ctr.  
293383

Presently, data gaps or no verification exists in the following key area(s):

1. Specific waste quantities
2. Verification of what waste are in landfill
- 3.
- 4.
- 5.

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Groundwater
2. Soils
- 3.
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Continue communication with Illinois EPA for sampling results on groundwater
2. Soil samples for contaminate content
- 3.
- 4.

Notice of an apparent need for emergency action was transmitted to \_\_\_\_\_ on \_\_\_\_\_  
by \_\_\_\_\_.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

14 0000605113

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

OR BOONE COUNTY LANDFILL #2  
BELVIDERE MUNICIPAL LANDFILL

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

RTE 76 - NORTH OF BELVIDERE

03 CITY

BELVIDERE

04 STATE

IL

05 ZIP CODE

61008

06 COUNTY

BOONE

07 COUNTY CODE

007

08 CONG DIST

16

09 COORDINATES LATITUDE

42°19'22.1"N

LONGITUDE

088°52'02.2"W

BELVIDERE NORTH QUADRANGLE

10 DIRECTIONS TO SITE (Starting from nearest public road)

FROM U.S. BUSINESS RTE. 20 GO NORTH ON STATE RTE. 76 A  
FEW MILES NORTH OF BELVIDERE TO THE SITE

III. RESPONSIBLE PARTIES

01 OWNER (If known)

CITY OF BELVIDERE

02 STREET (Business, mailing, residential)

123 SOUTH STATE STREET

03 CITY

BELVIDERE

04 STATE

IL

05 ZIP CODE

61008

06 TELEPHONE NUMBER

(815) 544-2612

07 OPERATOR (If known and different from owner)

MR. GUSTAFSON AT  
SITE OF NEIL FRANK - PUBLIC WORKS DIR.

08 STREET (Business, mailing, residential)

RTE 76 OR  
123 SOUTH STATE STREET

09 CITY

BELVIDERE

10 STATE

IL

11 ZIP CODE

61008

12 TELEPHONE NUMBER

(815) 544-2612

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☒ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: NONE  
MONTH DAY YEAR

☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 6/9/81  
MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES DATE 5/10/83  
MONTH DAY YEAR

☐ NO

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☒ C. STATE

☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☒ A. ACTIVE

☐ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

1974

BEGINNING YEAR

8

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

SLUDGES (TOXIC/PERSISTENT), METAL AND OTHER ORGANICS (TOXIC/PERSISTENT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

LEACH INTO GROUNDWATER (ENVIRONMENT/POPULATION)  
RUN INTO SURFACE WATER (ENVIRONMENT/POPULATION)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

P. D. LOPINTO

02 OF (Agency/Organization)

ILLINOIS EPA - (NWD) - ROCKFORD

03 TELEPHONE NUMBER

(815) 987-7404

04 PERSON RESPONSIBLE FOR ASSESSMENT

05 AGENCY

06 ORGANIZATION

07 TELEPHONE NUMBER

08 DATE

MONTH DAY YEAR



☐ I HIGHLY VOLATILE  
☐ J EXPLOSIVE  
☐ K REACTIVE  
☐ L INCOMPATIBLE  
☐ M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL 0000605113

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: >5000

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

5 TO 8 FT. THICK SURFICIAL CLAYEY SALT OVERLIES THICK SAND DEPOSIT. TRENCH BOTTOMS OF LANDFILL ARE UNDER OR VERY NEAR GROUNDWATER LEVELS. PRECIPITATION WILL GENERATE LEACHATE AND IT WILL INFILTRATE GROUNDWATER. SEVERAL WELLS ON SITE AND IN AREA ARE REGULARLY BEING MONITORED.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: >2000

02 ☒ OBSERVED (DATE: 12/22/82) ☒ POTENTIAL ☒ ALLEGED

04 NARRATIVE DESCRIPTION

LEACHATE HAS BEEN OBSERVED IN DRAINAGE DITCH TO NORTH & WEST OF GUARD SHED. ALSO PORTION OF SITE LIES ON FLOOD PLAIN OF KISHWAUKEE RIVER. A SURFACE DRAINAGE TOWARD NORTH AND EAST, AWAY FROM RIVER. HOWEVER

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: >100

02 ☒ OBSERVED (DATE: 12/22/82) ☒ POTENTIAL ☒ ALLEGED

04 NARRATIVE DESCRIPTION 8/18/82

LEACHATE ODORS WERE NOTED NEAR THE SEEP OR DITCH ON THE SITE.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☒ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: >20

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

FENCE SURROUNDS SITE WITH GUARD ON DUTY, HOWEVER ACCESS MAY BE GAINED BY CLIMBING FENCE.

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: ~34  
(Acres)

02 ☒ OBSERVED (DATE: 8/16/82) ☒ POTENTIAL ☒ ALLEGED

04 NARRATIVE DESCRIPTION

CONTAMINATION POSSIBLE THRU LEACHATE OF ALLUVIUM AND GLACIAL DEPOSITS. (SEE A, ABOVE).

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: >1000

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

LOCAL AREA IS ON GROUNDWATER (WELLS). FARM HOME WITHIN 500 FT. OF SITE. (EVERETT JOHNSON - REAL ESTATE AGENT) DUE TO GRADIENT FLOW AND OTHER GEOLOGIC CONDITIONS CONTAMINATION IS POSSIBLE.

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: >10

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

POSSIBLE EXPOSURE TO SITE OPERATORS OR OFFICIAL PERSONNEL WHO INSPECT SITE.

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: >5000

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

POSSIBLE EFFECTS THRU GROUND, SURFACE, OR SOIL CONTAMINATION.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
16 000605113

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

(SEE L. BELOW)

01 ☒ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

(SEE L. BELOW)

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

ONE PAST LEACHATE SEEP HAS BEEN COVERED & PLANTED WITH SOYBEANS. THIS COULD BE A RISK. ALSO AQUATIC OR TERRESTRIAL ECOSYSTEMS OF KISHWAUKEE RIVER FLOODPLAIN NEAR SITE COULD BE EFFECTED.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: 8/16/82)

☒ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: >1000

04 NARRATIVE DESCRIPTION 12/22/82

VARIOUS LEACHATE SEEPS AND SURFACE WATER RUNOFF AROUND SITE.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

POSSIBLE DAMAGE TO RESIDENTIAL WELLS OFFSITE NEAR LANDFILL.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

GROUNDWATER POLLUTION DAMAGE MIGHT ALSO BE CAUSED FROM THE STOCKPILES OF SALT ON THE BOONE COUNTY HIGHWAY DEPT. PROPERTY IMMEDIATELY SOUTH OF THE LANDFILL.

III. TOTAL POPULATION POTENTIALLY AFFECTED: > 5000

IV. COMMENTS

GROUNDWATER WELLS ON SITE AND IN ADJACENT AREA ARE MONITORED ON A REGULAR BASIS. FURTHER STUDIES ON THIS PROBLEM HAVE BEEN RECOMMENDED. ALSO CERTAIN AREAS OF LANDFILL ARE NOT YET SUFFICIENTLY COVERED.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

ILLINOIS EPA FILES - ROCKFORD (NLWD)